Appln. No. 09/845396
Method and System for Processing Invoices

REPLACEMENT SHEET

1/6

100

FIG. 1

112

MEMORY
220

OPERATING SYSTEM
218

BROWSER
222

PROCESSOR
210

NETWORK I/O
224

FIG. 2A

BILLER COMPUTING SYSTEM
116

NETWORK I/O
226

PROCESSOR
208

CUSTOMER
DATABASE
202

INVOICE
DATABASE
203

200

PROGREM
ELEMENTS
204

DATA
206

FIG. 2B

ACCESSING REGISTRATION SITE
300

↓

PROVIDING REGISTRATION
INFORMATION
302

↓

SUBMIT APPLICATION FOR
REGISTRATION TO BILLER
303

↓

REGISTRATION
APPROVED?
308 → N → SEND ERROR
MESSAGE
312

↓ Y

CREATE ENTRY IN DATABASE FOR
CUSTOMER
310

FIG. 3

```
        ┌─────────────────────────┐
        │  GENERATING AN INVOICE AT A │
        │          BILLER          │
        │           400            │
        └─────────────────────────┘
                     │
                     ▼
        ┌─────────────────────────┐
        │      MAKING INVOICE      │
        │ ELECTRONICALLY AVAILABLE │
        │       TO CUSTOMER        │
        │           402            │
        └─────────────────────────┘
```

```
┌─────────────────────────┐    ┌─────────────────────────┐
│  FIRST USER ACCESSES AND │    │ SECOND USER ACCESSES AND │
│    APPROVES THE INVOICE  │    │  AUTHORIZES THE INVOICE  │
│           404            │    │           406            │
└─────────────────────────┘    └─────────────────────────┘
            │                              │
            ▼                              ▼
┌─────────────────────────┐    ┌─────────────────────────┐
│   TRANSMITTING TO BILLER │    │   TRANSMITTING TO BILLER │
│      APPROVAL STATUS     │    │    AUTHORIZATION STATUS  │
│           408            │    │           410            │
└─────────────────────────┘    └─────────────────────────┘
                                           │
                                           ▼
                               ┌─────────────────────────┐
                               │     PROVIDE PAYMENT      │
                               │       INSTRUCTIONS       │
                               │           414            │
                               └─────────────────────────┘
```

```
        ┌──────────┐   N   ╱◇╲  INVOICE APPROVED ╲
        │   WAIT   │ ◄──────   AND AUTHORIZED?
        └──────────┘         ╲       411       ╱
                              ╲◇╱
                               │ Y
                               ▼
                  ┌─────────────────────────┐
                  │    PROCESSING/WAITING    │
                  │    PAYMENT OF INVOICE    │
                  │           412            │
                  └─────────────────────────┘
```
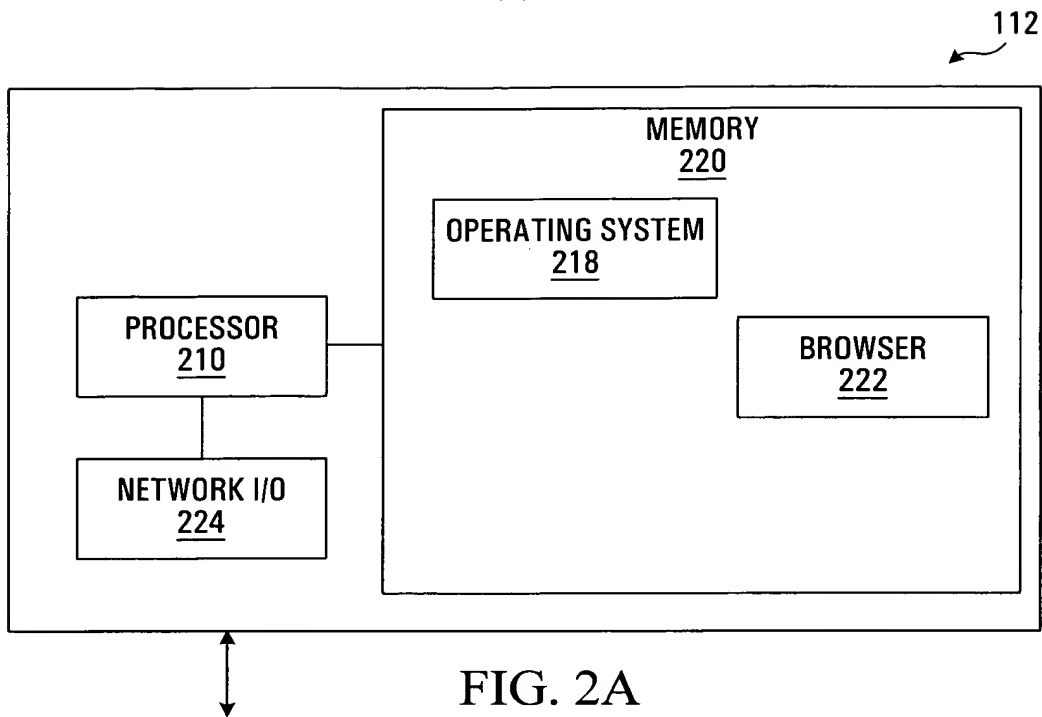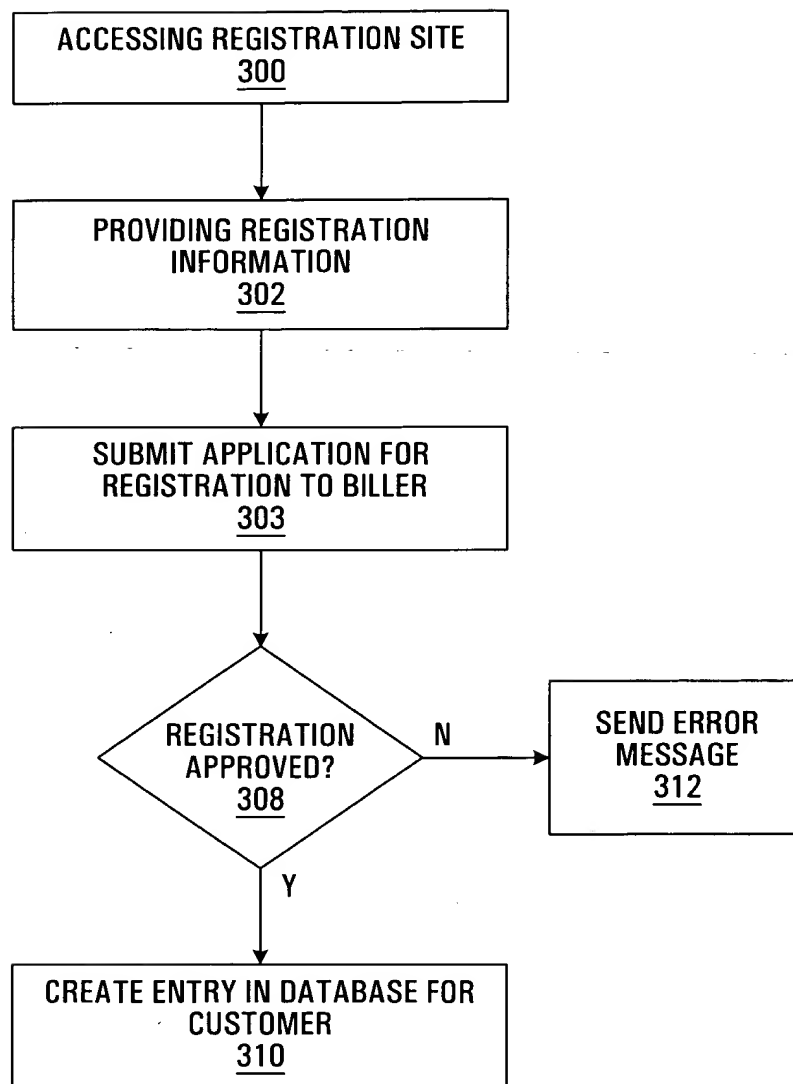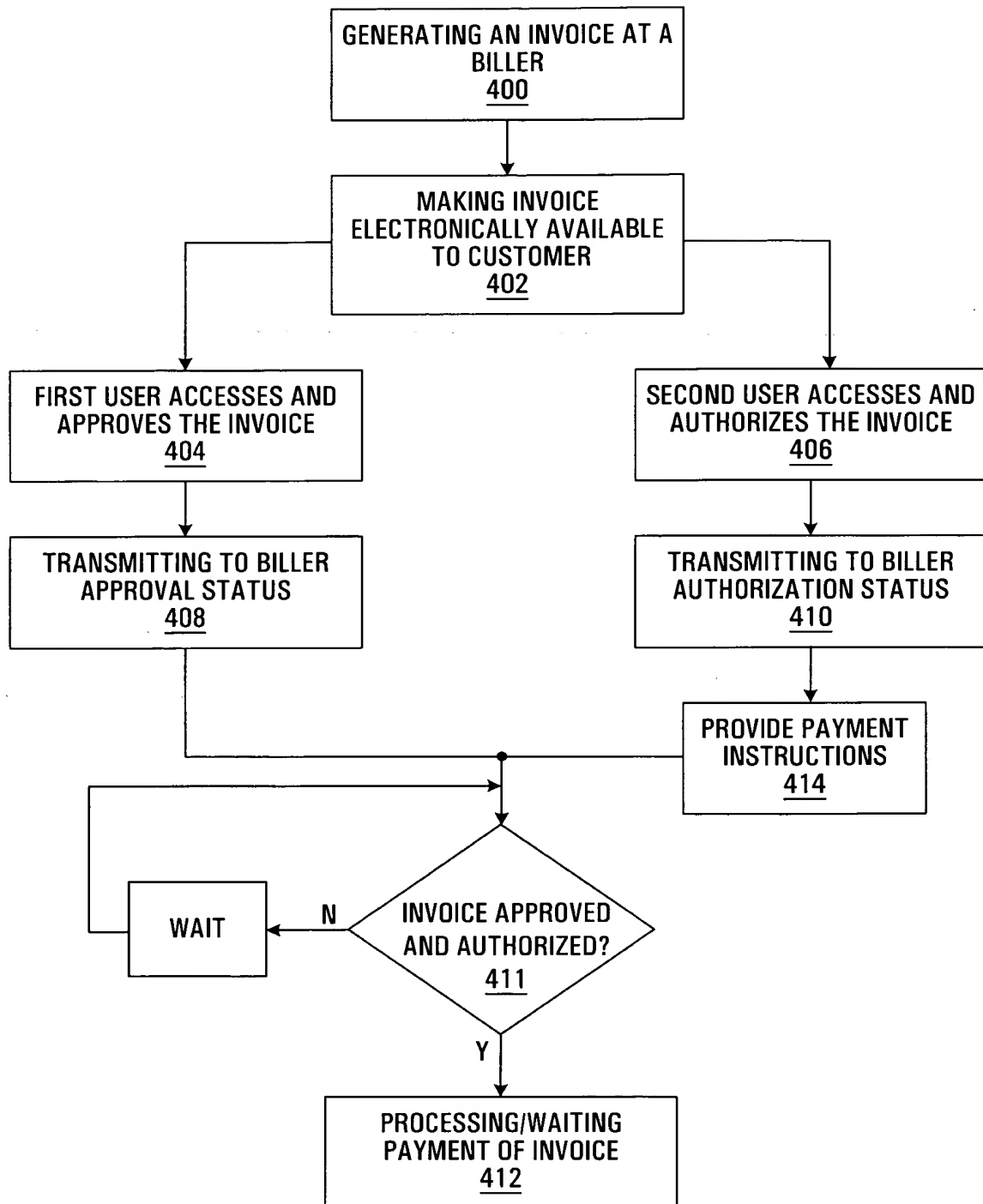
FIG. 4

USER ID JSMITHABC   CUSTOMER NAME ABC   SESSION ID 96208581

OPEN INVOICES FOR PAYMENT

VIEW INVOICES FOR [ALL ▼] PATRON NUMBER(S) CURRENCY: CANADIAN [GO]

SELECT ALL FOR AUTHORIZATION [UNSELECT ALL] [SUBMIT]

SELECT ALL FOR APPROVAL

PATRON NUMBER	STATUS	SELECT	INVOICE NUMBER	INVOICE DATE/DUE DATE	BILLED AMOUNT	PAID TO DATE AMOUNT	OPEN AMOUNT	UNIQUE SHIPMENT ID
506~ 123456 A	INVOICE C$5,500.00 DISPUTE	AUTHORIZE ○ APPROVE ○	026858370	2000-OCT-26 2000-NOV-2	C$5,500.00	$0.00	C$5,500.00	BOL543876
506~ 123456B	CREDIT DISPUTE	AUTHORIZE ○ APPROVE ○	0283990058	2000-SEP-20	C$3,000.00	C$4,000.00	C$1,000.00CR	BOL543890
506~ 123456C	INVOICE C$700.00 2000-JAN-16 DISPUTE	AUTHORIZE ○ APPROVE ○	026858699	2000-OCT-27 2000-NOV-3	C$700.00	$0.00	C$700.00	BOL543842
TOTAL					C$9,200.00	C$4,000.00	C$5,200.00	

500   508   502

504

FIG. 5A

504

WAYBILL NUMBER/ DATE	EQUIPMENT ID	ORIGIN DESTINATION
704177 2000-OCT-25	CN 334433	EDMONTON/ HALIFAX
704190 2000-SEP-19	CN334466	EDMONTON/ HALIFAX
135246 2000-OCT-26	CN987654	EDMONTON/ HALIFAX

FIG. 5B